

Stengl-Wyer Fellowship Winners

CYCLE (NO. OF APPLICATIONS)	TITLE	AWARDEE	DEPARTMENT	RESEARCH ADVISOR(S)
2020 (17)	Carbonic anhydrase function and evolution in the respiratory gas exchange system of fish	Angelina Dichiera	Marine Science	Andrew Esbaugh
	The passion vine community phytochemical landscape	Colin Morrison	Integrative Biology	Lawrence Gilbert
	Specificity of host-microbiome interactions	Alex Nishida	Molecular Biosciences	Howard Ochman
	Evolution of temperature sensation	Julia York	Integrative Biology	Harold Zakon
2021 (12)	A theory of human-mediated biological invasions	Nikunj Goel	Integrative Biology	Timothy Keitt
	Impacts of parasites on foraging and pollination	Nicholas Ivers	Integrative Biology	Shalene Jha
	Responses of Central Texas herpetofauna to long-term environmental change	David Ledesma	Integrative Biology	Melissa Kemp
	Initiation and evolution of mutualistic symbioses in aphids	Julie Perreau	Integrative Biology	Nancy Moran Jeffrey Barrick
2022 (14)	Revealing the mysteries of eukaryogenesis using clues from a novel branch on the tree of life	Kathryn Appler	Marine Science	Brett Baker
	Mitonuclear interactions and thermal adaptation in hybridizing swordtails	Erik Iverson	Integrative Biology	Justin Havird
	Laryngeal mechanisms of vocalization in rodents with diverse calls	Samantha K Smith	Integrative Biology	Steven Phelps
	Passive acoustic monitoring of biodiversity and ecological functioning in the dynamic Mission-Aransas Estuary, TX	Philip Souza	Marine Science	Simon Brandl
2023 (12)	Increasing adaptive potential of coral juveniles on a degraded reef	Kristina Black	Integrative Biology	Mikhail Matz
	How chemical defense evolves in poison frogs	Jeffrey Coleman	Integrative Biology	David Cannatella
	Uncovering the mechanisms that drive belowground facilitation and resource allocation in N fixers	Sarah K Ortiz	Integrative Biology	Amelia Wolf
	Plant-soil interactions for the maintenance of plant diversity	Xinyi Yan	Integrative Biology	Caroline Farrior Amelia Wolf
2024 (18)	Plant defenses against insect herbivores along tropical forest succession	Damla Cinoglu	Integrative Biology	Caroline Farrior
	The impact of global change on fungal endosymbiont communities in Texas grasslands	Keri Greig	Integrative Biology	Amelia Wolf
	The neuromolecular mechanisms underlying resilience to environmental variability in a Texas native fish	Emily Lessig	Integrative Biology	Hans Hofmann

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	Evaluating the critical roles of omnivorous reef fishes across gradients of habitat degradation	Hannah Rempel	Marine Science	Jordan Casey
2025 (16)	Symbiosis in the anthropocene: superworm gut microbes as plastic degraders	Daryl Barth	Molecular Biosciences	Edward Marcotte
	Facing the frog pandemic: understanding how a fungal pathogen hijacks its host's immune system	Rebecca Clemons	Integrative Biology	Kelly Zamudio
	Assessing the efficacy of local and landscape factors at predicting risk to a native ground-nesting squash bee	Leeah Richardson	Integrative Biology	Shalene Jha Felicity Muth
	Paleogenomic insights into the evolutionary history of Gopherus tortoises with implication for conservation of a critically endangered species	Tianyi Xu	Integrative Biology	Melissa Kemp
2026 (16)	Fungal enzyme adaptation to plant substrates in leafcutter ants	Juju Dessert	Integrative Biology	Edward Marcotte
	Corals hungry for survival are the key to understanding reef resilience	Daisy Marie Flores	Integrative Biology	Mikhail Matz
	Uncovering mechanisms of resilience: responses of plant-mycorrhizal mutualisms to interacting disturbances	Elena Joy Leander	Integrative Biology	Amelia Wolf
	Spatio-temporal responses to climate change among terrestrial avian migrants	Brian Stokes	Integrative Biology	Timothy Keitt